In the Claims:

Please amend the claims as follows:

1. (Currently amended) A detector comprising:

~~at least~~ a ~~first nanostructured~~ surface having a plurality of ~~nanostructures~~ nanostructured projections disposed thereon, the projections having tips;

~~at least a first droplet of liquid;~~

~~at least~~ a ~~first~~ reagent pixel on the surface, between a plurality of the projections; ~~and~~

means for moving a liquid across tips of the nanostructured projections without contacting the reagent pixel; and

means for moving ~~said at least~~ the ~~a first droplet of~~ liquid toward ~~across~~ said ~~at least a first nanostructured~~ surface in a way such that the liquid ~~it~~ contacts said ~~at least a first~~ reagent pixel.

2. (Currently amended) The detector of claim 1 wherein ~~said means for moving comprises said plurality of nanostructures, wherein~~ a ~~the~~ density of the nanostructured projections ~~nanostructures in said plurality of nanostructures~~ is varied in a way such that said ~~at least a first droplet of~~ liquid moves across tips of the nanostructured projections toward an ~~the~~ area ~~on said at least a first nanostructured surface~~ having a ~~the~~ highest density of tips of said nanostructured projections ~~nanostructures~~.

3. (Currently amended) The detector of claim 1 wherein said means for moving a liquid across the nanostructured projections includes ~~comprises~~ a plurality of electrodes disposed on said ~~at least a first nanostructured~~ surface in a way such that, upon sequentially applying a

voltage to ~~at least one of the electrodes~~ an electrode in said plurality of electrodes, a liquid ~~droplet~~ moves in a desired direction.

4. (Currently amended) The detector of claim 1 wherein said ~~at least a first droplet is a droplet of~~ liquid includes a reagent.

5. (Currently amended) The detector of claim 1 wherein said ~~at least a first droplet~~ liquid is adapted to absorb particles disposed on the tips of said plurality of projections~~nanostructures, said nanostructures disposed on said at least a first nanostructured surface~~.

6. (Currently amended) The detector of claim 5 wherein said liquid ~~at least a first droplet~~ is further adapted to transport said particles to the ~~a desired destination such as a desired~~ reagent pixel ~~in an array of pixels on said at least a first nanostructured surface~~.

7-17 (Cancelled)

18. (New) The detector of claim 1 in which the means for moving a liquid toward the surface includes a plurality of electrodes disposed on the surface in a way such that, upon applying a voltage to an electrode at a position on the surface, a liquid moves toward the position on the surface.

19. (New) The detector of claim 1 in which the means for moving a liquid toward the surface includes a heat source for heating the liquid to reduce surface tension of the liquid.

20. (New) The detector of claim 1 in which the means for moving a liquid toward the surface includes a source of acoustic energy.

21. (New) The detector of claim 1 in which the means for moving a liquid toward the surface includes a source of electromagnetic energy.

22. (New) The detector of claim 1 in which the means for moving a liquid toward the surface includes inducing a chemical change at tips of projections.

23. (New) The detector of claim 1 in which the liquid is in the form of at least one droplet.

24. (New) The detector of claim 1, in which tips include microposts.

25. (New) The detector of claim 1, in which tips include nanoposts.

26. (New) The detector of claim 1, in which tips include a microline.

27. (New) The detector of claim 1, in which the reagent pixel is reactive with a chemical compound.

28. (New) The detector of claim 1, in which the reagent pixel is reactive with a biological agent.

29. (New) The detector of claim 1, in which the reagent pixel is reactive with a ribonucleic acid.

30. (New) The detector of claim 1, in which the reagent pixel is reactive with an antibody.

31. (New) The detector of claim 1, in which the reagent pixel is reactive with an antigen.